```
Thu Feb 20 11:09:53 2003
```

```
; Search time 182.482 Seconds (without alignments) 10829.323 Million cell updates/sec
                                                                                                                                                                                                                                                  5547168
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Pending_Patents_NA_New:*

1: /cgn2_6/ptodata/1/pna/USO6_NEW_COMB.seq:*

3: /cgn2_6/ptodata/1/pna/USO6_NEW_COMB.seq:*

4: /cgn2_6/ptodata/1/pna/USO3_NEW_COMB.seq:*

5: /cgn2_6/ptodata/1/pna/USO8_NEW_COMB.seq:*

6: /cgn2_6/ptodata/1/pna/USO8_NEW_COMB.seq:*

7: /cgn2_6/ptodata/1/pna/USO8_NEW_COMB.seq:*
GenCore version 5.1.3
Copyright (c) 1993 - 2003 Compugen Ltd.
                                                                                                                                                                                                                                                                                                                                                                                                Total number of hits satisfying chosen parameters:
                                                                                                                                                                                                                                                                                                                                                          2773584 segs, 745158349 residues
                                                                                                                       February 16, 2003, 17:00:49
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries
                                                                             - nucleic search, using sw model
                                                                                                                                                                                                                                                                                          IDENTITY_NUC Gapop 10.0 , Gapext 1.0
                                                                                                                                                                                                                                                                                                                                                                                                                                            seq length: 0
seq length: 200000000
                                                                                                                                                                                                              US-09-497-967-1
                                                                                                                                                                                                                              Perfect score:
Sequence:
                                                                                                                                                                                                                                                                                              Scoring table:
                                                                                                                                                                                                                                                                                                                                                                                                                                          Minimum DB :
Maximum DB :
                                                                               OM nucleic
                                                                                                                                                                                                                                                                                                                                                          Searched:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Database
                                                                                                                     Run on:
```

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

	Description	Sequence 31796, A	39592	8641		4034	4707	8573	7632.	25	198	204	} _	217	6. App	_		24 . Ar	24.	227	Sequence 5421. Ap	2049	22	3229	622		601	1
SUMMARIES	DI	US-10-144-771-31796	-10-144-	-10 - 203	-10-203-138A	-10-144-771-	US-10-144-771-4707	US-10-203-138A-8573	-10-203-138A-763	US-10-203-138A-2529	US-10-017-161-1981		-10-	-10-01	-09-962-191A-6	2-191-6	-10 - 24	-60-423-586-24	US-60-427-194-24	-10-203-1	-10-203-138A-5	2	US-09-806-708B-22	-10-144-771-3	0-144-77	-10-144-771-2	4-601	
	DB	9	g	9	9	9	9	9	9	9	ø	9	ø	9	S	S	9	7	~	9	9	9	S	9	9	9	'n	
	Length	961	897	1635	1973	1188	1954	439	1075	1403	1972	1231	3489	1168	3434	3434	135259	5	53	574	699	91	14	3882	94	815	21423	
ď	Query Match	6.1	5.7	5.4	5.4		4.6	4.5	4.4	4.4	4.3	٠	•	•		σ.	6	6	ō.	•	٠	•				3.7		
	Score		75.2	•	72.2	9	;	59.6	28	Ŋ	•	54.8	÷.	53.6	ď	ď				-	50.6		٠.	49.8		48.4	48.4	
	Result No.	c C	7		Ω 4		9 0		æ	σ	c 10	11	c 15	13	-	_	c 16	-	_	-		21	N	c 23	7	25	56	

47.8 3.6 510 6 US-10-203-138A-7146 Sequence 7146, 1	4/.2 3.6 583 6 US-10-144-//1-29/25 Sequence 29/25	4/ 3.5 1372 b US-10-017-161-2245 Sequence	47 3.5 378068 6 US-10-144-779-207 Sequence 207,	46.4 3.5 3275 6 US-10-144-771-21113 Sequence	46.2 3.5 3532 6 US-10-017-161-1913 Sequence	46 3.5 1959 6 US-10-203-138A-4077 Sequence 4077.	45.6 3.4 43136 5 US-09-949-004-552 Sequence 552. A	45.6 3.4 56817 5 US-09-949-004-506 Sequence 506.	45.4 3.4 293 6 US-10-203-138A-7323 Sequence 7323	45.4 3.4 459 6 US-10-203-138A-2211 Sequence 2211,	45.4 3.4 729 6 US-10-144-771-31479 Sequence 31479,	45 3.4 830 6 US-10-203-138A-7901 Sequence 7901.	44.8 3.4 78575 5 US-09-949-004-652 Sequence 652.	44.2 3.3 11507 5 US-09-724-676-12764 Sequence	44.2 3.3 11507 5 US-09-724-676A-12764 Sequence	44.2 3.3 15645 6 US-10-085-198-111 Sequence	44 3.3 546 6 US-10-144-771-26930 Sequence	44 3.3 3673778 6 US-10-312-841-1 Sequence	ALIGNMENTS	RESULT 1 US-10-144-771-31796/c ; Sequence 31796, Application US/10144771 ; GENERAL INFORMATION:	ARFLICANT: VENTEK, J. CZA19 TITLE OF INVENTION: HUMAN GENOME DISCOVERY SYSTEM AND USES THEREOF FITE REPERPENCE. CLON1321	CORRENT APPLICATION NUMBER: US/10/144,771	CURRENT FILLING DATE: 2002-05-15
47.8	4.7	4	47	46.4	46.2	46	45.6	45.6	45.4	45.4	45.4	45	44.8	44.2	44.2	44.2	44	44		14-771- nce 317 NL INFO	CANT: OF IN	INT APP	INT FILE
	2 C	67 0	30	c 31	32	33	34	35		c 37	38	39			c 42		44	45		RESULT US-10-1/ Sequer GENER	TITL	CURR	CURR

Indels 0	les 391;	0; Mismatches 391; Indels	rvative	Matches 315; Conservative
Too in Single	.8e-10;	Pred. No. 6	.y 44.68;	Best Local Similarity 44.6%; Pred. No. 6.8e-10;
Length 961;	DB 6;	Score 80.4;	6.18;	Query Match
				US-10-144-771-31796
				; ORGANISM: HUMAN
				; TYPE: DNA
				; LENGTH: 961
				; SEQ ID NO 31796
			S: 47235	; NUMBER OF SEQ ID NOS: 47235
		-15	3: 2002-05	; CURRENT FILING DATE: 2002-05-15
		5/10/144,771	NUMBER: U	; CURRENT APPLICATION NUMBER: US/10/144,771
			01321	; FILE REFERENCE: CL001321
AND USES THER	SYSTEM !	OME DISCOVERY	HUMAN GEN	; TITLE OF INVENTION: HUMAN GENOME DISCOVERY SYSTEM AND USES THER
			J. Craig	; APPLICANT: VENTER, J. Craig
				; GENERAL INFORMATION:
		/10144771	Lication US	; Sequence 31796, Application US/10144771
				US-10-144-771-31796/c

ö

TTGTGTTAATTGCAGACCTAATTTTTACTATAATGGTGGTGCTGCTTAAGGAGAGAGCTAA 188 69 TCCTGATGGTACTTAGACTCAAGCTGGATTGACTGATGTAGGTGCTGCTGATCTTGGTAC 128 AAACAGAGTAGGCTCTGTTACCAATGCAGGTGACTTAGCTACTTTAGCCACATAATGCAG 308 309 TACTTAATGTCCTACTGGCACTGCACTTGATGGAGGAGGAGGTGTTTTTGATAGATC 368 369 AGCCGCATAATGTGTTAAATGCAAACCTAACTTTTACTATAATGGTGGTTCTCCTTAAGG 428 593 TGCTGTTGCTCTTGTTGATGCTGCTGCTGCTGCTGCTGCTTGTTGTTGTTGCTGC 534 Gaps TGAAGCTCCTGGCGTTTTAAGTTTTTGCTGCTGGTGCTGCCGCTGCAGGTGTTGCTGCCGGT 129 249 ò q à Ω ò С Qγ qq ò QQ ò qq δy ò QQ

489 TACTAGTTAATGTGTACCTTGCCAACTAAACAAAAAGGATTCTCCTGCCACTGCAGGTGC 548

İ

 \sim

```
165
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1481
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        δŏ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     οp
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                q
                                                                                                                                     qq
                                                                                                                                                                       δ
                                                                                                                                                                                                   q
                                                                                                                                                                                                                                Qγ
                                              ÓΣ
                                                                         Q
                                                                                                          ŏ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           729 IGCIGCCGCIGCAGGIGITGCTGCCGTTACTAGITAATGIGTACCTIGCCAAAIAAACAA 788
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               968
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               489 TACTAGTTAATGTGTACCTTGCCAACTAAACAAAAACGATTCTCCTGCCACTGCAGGTGC 548
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            369 IGCIACIGCIACIGCIACIGCIACGICIACIGCIACIGCIACIGCIACIGCIACIGCIAC 428
                                                                                                          TGGAGTGACACTTGTTTTAATACATCAGCCACATTATGTGTTAAATGCAGACCTAACTT 668
                                                                                                                                                                                       429 TGAAGCTCCTGGCGTTTAAGTTTTTGCTGCTGGTGCTGCCGCTGCAGGTGTTGCTGCCGT 488
                                                                             413 TGCTGCTGCTATTGCTGCTGTTGTTGCTGCTGTTGTTGTTACTGCTGTTGTTGTTGC 354
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                849 ATGTCCAACTGGCACTGCAATTCAAGACGGAGTGACACTTGTTTTTAGTAATTCATCAC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            549 CTAAGCTAATTTAGCCACATAATGTAGCAATTAATGTCCTACTGGCACTGTACTTGATGA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       609 TGGAGTGACACTTGTTTTAATACATCAGCCACATTATGTGTTAAAATGCAGACCTAACTT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   669 TTACTATAATGGTGGTTCTCCTTAAGGTGAAGCTCCTGGCGTTTAAGTTTTTGCTGCTGG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          789 AAACGATTCTCCTGCCACTGCAGGTGCCTAAGCTAATTTAGCCACATAATGCAGTACTTA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               909 ATAATGITCTTAATGCATTGCTAATTACTITTTAATGGTAATTCGAAGCAGGTAAAAG
353 recrecretretrecracrecretrecrecrecretrerrerrecretretrerrer
                                                                                                                                                                       TTACTATAATGGTGGTTCTCCTTAAGGTGAAGCTCCTGGCGTTTAAGTTTTTGCTGCTGG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                549 IGCTACTGCTACTGCTACTGCTACTGCTACTGCTACTGCTACTGCTACTGCTACTGCTAC
                                                CTAAGCTAATTTAGCCACATAATGTAGCAATTAATGTCCTACTGGCACTGTACTTGATGA
                                                                                                                                                                                                                                                                                                                                                                       APPLICANT: VENTER, J. Craig
TITLE OF INVENTION: HUMAN GENOME DISCOVERY SYSTEM AND USES THEREOF
FILE REPERBENCE: CL001321
CURRENT APPLICATION NUMBER: US/10/144,771
CURRENT FILLING DATE: 2002-05-15
NUMBER OF SEQ ID NOS: 47235
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length 897;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Indels
                                                                                                                                                                                                                                                     TGCTGCCGCTGCAGGTGTTGCTGCCGTTACTAGTTAATGTGTACCT 774
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        0; Mismatches 433;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Score 75.2; DB 6;
Pred. No. 1.2e-08;
                                                                                                                                                                                                                                                                                                                                          Sequence 39592, Application US/10144771
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match 5.7%;
Best Local Similarity 43.6%;
Matches 335; Conservative
                                                                                                                                                                                                                                                                                                                              US-10-144-771-39592
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ORGANISM: HUMAN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              US-10-144-771-39592
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 SEQ ID NO 39592
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TYPE: DNA
                   473
                                                 549
                                                                                                                                                                                                                                                                    233
                                                                                                              609
                                                                                                                                                                          699
                                                                                                                                                                                                                                     729
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Dp
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        QQ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  q
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ŏ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ŏ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               q
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             δ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       d
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ŏ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Óγ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      q
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ò
                   g
                                                 ò
                                                                              g
                                                                                                              ò
                                                                                                                                        g
                                                                                                                                                                          δ
                                                                                                                                                                                                     Dp
                                                                                                                                                                                                                                     οy
                                                                                                                                                                                                                                                                  g
```

```
APPLICANT: Penn, Sharron G.
APPLICANT: Penn, Sharron G.
APPLICANT: Rank, David R.
APPLICANT: Rank, David R.
APPLICANT: Hanzel, David R.
APPLICANT: Hanzel, David R.
TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FO
TITLE OF INVENTION: ANALYZIS OF GENE EXPRESSION IN BT 474
TITLE OF INVENTION: ANALYZIS OF GENE EXPRESSION IN BT 474
FILE REFERENCE: PB 0004 WO 8
CURRENT APPLICATION NUMBER: US/10/203,138A
CURRENT FILING DATE: 2002-08-02
PRIOR FILING DATE: 26 May 2000 (04.02.00)
PRIOR FILING DATE: 26 May 2000 (25.00)
PRIOR PPLICATION NUMBER: US 60/230,366
PRIOR FILING DATE: 03 August 2000 (03.00)
PRIOR PPLICATION NUMBER: US 60/236,359
PRIOR FILING DATE: 13 September 2000 (21.09.00)
PRIOR PLING DATE: 21 September 2000 (21.09.00)
PRIOR PILING DATE: 21 September 2000 (21.09.00)
PRIOR FILING DATE: 21 September 2000 (21.09.00)
PRIOR FILING DATE: 30 June 2000 (30.06.00)
PRIOR FILING DATE: 30 June 2000 (30.06.00)
NUMBER OF SEQ ID NOS: 15438
SOFTWARE: Molecular Dynamics Sequence Listing Engine
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1029 TACTTAAGCCACATAATGTTTGACCACATGTCCTGCTGGTACAGTACTTGATGATGGAAC 1088
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       105 TGTAGGTGCTGCTGATCTTGGTACTTGTGAATGCAGACCTAATTTTACTATAATGG 164
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             45 TAATGAATTAAGAGCTGTTCCATGTCCTGATGGTACTTAGACTCAAGCTGGATTGACTGA 104
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TGGTGCTGCTTAAGGAGAAGCTAATGGTAATTAACCTTTCGCAGCAAATAATGCTGCTAG 224
                                                                                                                                                                                                                                                                                                                                                             609 TGCTACTGCTACTGCTACTGCTACTGCTACTGCTACTGCTACTGCTAC
                                                                                                                      969 TTAATGTTTAAAGTGTCCAGTAAGTAAAACTACTCCAGCACATGCTCCAGGTAATACTGC
                                                                                                                                                                                                                                                                                                                     1089 ATCAACTAATTTTGTAGCTTCCGCAACTGAATGTACTAAATGTTCTGCTGGCTTTTTTTGC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Length 1635;
                                                                                                                                                                                                                                                                                                                                                                                                                                      1149 ATCAAAAACAACTGGTTTTACAGCAGGTACTGATACATGTACTGAATG 1196
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match 5.4%; Score 72.2; DB 6; Length 1 Best Local Similarity 43.7%; Pred. No. 7.3e-08; Matches 317; Conservative 0; Mismatches 408; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              OTHER INFORMATION: EXPRESSED IN BT474, SIGNAL =
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 8641, Application US/10203138A GENERAL INFORMATION:
APPLICANT: Molecular Dynamics, Inc.
APPLICANT: Penn, Sharron G.
APPLICANT: Rank, David R.
APPLICANT: Hanzel, David K.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             OTHER INFORMATION: MAP TO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   US-10-203-138A-8641/c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               US-10-203-138A-8641
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              SEQ ID NO 8641
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            FEATURE:
```

ö

```
TGTAGGTGCTGCTGCTTGGTACTTGTGTTAATTGCAGACCTAATTTTTACTATAATGG 164
                                                                                                                                                                                                                                                                                                                                                                         TGGTGCTGCTTAAGGAGAAGCTAATGGTAATTAACCTTTCGCAGCAAATAATGCTGCTAG 224
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                285 AGCTACTTTAGCCACATAATGCAGTACTTAATGTCCTACTGGCACTGCACTTGATGATGG 344
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               345 AGTGACAGATGTTTTGATAGATCAGCCGCATAATGTGTTAAATGCAAACCTAACTTTTA 404
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            405 CTATAATGGTGGTTCTCCTTAAGGTGAAGCTCTGGCGTTTAAGTTTTTGCTGGTGC 464
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TGCCGCTGCAGGTGTTGCTGCCGTTACTAGTTAATGTGTACCTTGCCAACTAAACAAAA 524
                                                                                                                                                                                                                   Gaps
                                                                                                                                                                                                                                             45 TAATGAATTAAGAGCTGTTCCATGTCCTGATGGTACTTAGACTCAAGCTGGATTGACTGA 104
                                                                                                                                                                                                                                                                                                                                                                                                                                      225 AGGTATATGTGTACCATGCCAAATAAACAGAGTAGGCTCTGTTACCAATGCAGGTGACTT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TGGCGTTTAAGTTTTTGCTGCTGGTGCTGCCGCTGCAGGTGTTGCTGCCGTTACTAGTTA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   525 CGATTCTCCTGCCACTGCAGGTGCCTAAGCTAATTTAGCCACATAATGTAGCAATTAATG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      585 TCCTACTGGCACTGTACTTGATGAGGAGTGACACTTGTTTTAATACATCAGCCACATT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   645 ATGTGTTAAATGCAGACCTAACTTTTACTATAATGGTGGTTCTCCTTAAGGTGAAGCTCC
                                                                                                                                                                                                                    ö
                                                                                                                                                                                     Length 1973;
             Engine
                                                                                                                                                                                5.4%; Score 72.2; DB 6;
illarity 43.7%; Pred. No. 7.6e-08;
Conservative 0; Mismatches 408;
                                                                                                                                    ; OTHER INFORMATION: EXPRESSED IN BT474, SIGNAL - US-10-203-138A-3500
             Sequence Listing
                                                                                    FEATURE: OTHER INFORMATION: MAP TO AC006547.9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       US-10-144-771-4034/C
Sequence 4034, Application US/10144771
SEMERAL INFORMATION:
APPLICANT: VENTER, J. Craig
        SOFTWARE: Molecular Dynamics
SEQ ID NO 3500
LENGTH: 1973
                                                      TYPE: DNA
ORGANISM: Homo sapiens
                                                                                                                                                                                  Query Match
Best Local Similarity
Matches 317; Conserva
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ATGTG 769
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TGGTG 971
                                                                                                                   FEATURE:
                                                                                                                                                                                                                                                                                                          105
                                                                                                                                                                                                                                                                                                                                                                         165
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         465
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                705
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              765
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          975
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           RESULT 5
                                                                                                                                                                                                                                                                         q
                                                                                                                                                                                                                                                                                                          ò
                                                                                                                                                                                                                                                                                                                                        g
                                                                                                                                                                                                                                                                                                                                                                       οy
                                                                                                                                                                                                                                                                                                                                                                                                Q
                                                                                                                                                                                                                                                                                                                                                                                                                                    δ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             οy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            qq
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Dp
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Db
                                                                                                                                                                                                                                                                                                                                                                                                                                                            QQ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               à
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Db
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    qq
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 qq
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  à
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               δ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      pp
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT: PERON, Sharron G.
APPLICANT: Rank, David R.
APPLICANT: Rank, David R.
APPLICANT: Hanzel, David R.
APPLICANT: Hanzel, David R.
APPLICANT: Hanzel, David K.
APPLICANT: Hanzel, David K.
APPLICANT: Hanzel, David K.
APPLICANT: Hanzel, David K.
TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR FILE REFERENCE: PB 0004 WO 8
CURRENT FILING DATE: 2002-08-02
CURRENT APPLICATION NUMBER: US 60/180, 312
PRIOR FILING DATE: 04 February 2000 (04.02.00)
PRIOR FILING DATE: 05 May 2000 (26.05.00)
PRIOR FILING DATE: 03 August 2000 (03.00.0)
PRIOR FILING DATE: 03 October 2000 (03.10.00)
PRIOR FILING DATE: 12 September 2000 (21.09.00)
PRIOR FILING DATE: 12 September 2000 (21.09.00)
PRIOR FILING DATE: 12 September 2000 (21.09.00)
PRIOR FILING DATE: 13 September 2000 (21.09.00)
PRIOR FILING DATE: 30 June 2000 (30.00.00)
PRIOR FILING DATE: 30 June 2000 (30.00.00)
PRIOR FILING DATE: 30 June 2000 (30.00.00)
345 AGIGACAGATGTTTTTGATAGATCAGCCGCATAATGTGTTTAAATGCAAACCTAACTTTTA 404
                                                                                                                                                                                                                                                                                                TGCCGCTGCAGGTGTTGCTGCCGTTACTAGTTAATGTGTACCTTGCCAACTAAAAAAA 524
                                                                                                                                                                                                                                                                                                                                                              525 CGATTCTCCTGCCACTGCAGGTGCCTAAGCTAATTTAGCCACATAATGTAGCAATTAATG 584
                                                                                                                                                                                                                                                                                                                                                                                                                           585 ICCTACTGGCACTGTACTTGATGGAGTGACACTTGTTTTAATACATCAGCCACATT 644
                                                                                                                                                                                                                                                                                                                                                                                                                                                645 ATGTGTTAAATGCAGACCTAACTTTTACTATAATGGTGGTTCTCCTTAAGGTGAAGCTCC 704
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     764
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         AGGTATATGTGTACCATGCCAAATAAACAGAGTAGGCTCTGTTACCAATGCAGGTGACTT
                                                                                                         285 AGCTACTTTAGCCACATAATGCAGTACTTAATGTCCTACTGGCACTGCACTTGATGATGG
                                                                                                                                                                                                                                   CTATAATGGTGGTTCTCCTTAAGGTGAAGCTCCTGGCGTTTAAGTTTTTGCTGCTGGTGC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      705 TGGCGTTTAAGTTTTTGCTGCTGCTGCCGCTGCAGGTGTTGCTGCCGTTACTAGTTA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           US-10-203-138A-3500/c
: Sequence 3500, Application US/10203138A
; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICANT: Molecular Dynamics, Inc.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  765 ATGTG 769
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 821 TGGTG 817
                                                                           1361
                                                                                                                                         1301
                                                                                                                                                                                                                                     405
                q
                                            ò
                                                                           a
                                                                                                    ò
                                                                                                                                  g
                                                                                                                                                                      ò
                                                                                                                                                                                               8
                                                                                                                                                                                                                                                               g
                                                                                                                                                                                                                                                                                                                        g
                                                                                                                                                                                                                                   ò
                                                                                                                                                                                                                                                                                                ò
                                                                                                                                                                                                                                                                                                                                                              ò
                                                                                                                                                                                                                                                                                                                                                                                          g
                                                                                                                                                                                                                                                                                                                                                                                                                      õ
                                                                                                                                                                                                                                                                                                                                                                                                                                                     8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                셤
```

ID

```
NUMBER OF SEQ
SEQ ID NO 4707
                                                                                                                                                                             650
                                                                                                                                                                                                        472
                                                                                                                                                                                                                                                              532
                                                                                                                                                                                                                                                                                                                   592
                                                                                                                                                                                                                                                                                      Dp
                                                                                                                                                                                                                                                                                                                   δÿ
                                                                                                                                                                                                                                                                                                                                               QQ
                                                                                                                                                                                                                                                                                                                                                                                                   q
                                                                                                                                                                                                                                                                                                                                                                                                                               δy
                                                                                                                                                                                                                                                                                                                                                                                                                                                        g
                                                                                                                                                                                                          δλ
                                                                                                                                                                                                                                  Op
                                                                                                                                                                                                                                                              Qy
                                                                                                                                                                                                                                                                                                                                                                          ò
                                                                                                                                                                                .
0
                                                                                                                                                                                                                                     959
                                                                                                                                                                                                        57 AGCTGTTCCATGTCCTGATGGTACTTAGACTCAAGCTGGATTGACTGATGTAGGTGCTGC 116
                                                                                                                                                                                                                                                              117 TGATCTTGGTACTTGTGTTAATTGCAGACCTAATTTTTACTATAATGGTGGTGCTGCTTA 176
                                                                                                                                                                                                                                                                                                                     236
                                                                                                                                                                                                                                                                                                                                                                                                     861
                                                                                                                                                                                                                                                                                                                                                                                                                                 356
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      416
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                741
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            476
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    681
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                536
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              596
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               561
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     501
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               657 CAGACCTAACTTTTACTATAATGGTGGTTCTCCTTAAGGTGAAGCTCCTGGCGTTTAAGT 716
                                                                                                                                                                                                                                                                                                                                                                                                                                                           801
                                                                                                                                                                                                                                                                                  477 IGITGCTGCCGTTACTAGTTAATGTGTACCTTGCCAACTAAACAAAAACGATTCTCCTGC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        860 TGCTGGGGGTGGTCATGGAACTGATGCTGCTGCTGCTGGTGGTCATGGAACTGCTGCTGC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TTTTGATAGATCAGCCGCATAATGTGTTAAATGCAAACCTAACTTTTACTATAATGGTGG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            417 TICICCTIAAGGIGAAGCICCIGGCGITTAAGITTITGCIGCIGGIGCIGCCGCIGCAGG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     537 CACTGCAGGTGCCTAAGCTAATTTAGCCACATAATGTAGCAATTAATGTCCTACTGGCAC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TGTACTTGATGATGAGTGACACTTGTTTTAATACATCAGCCACATTATGTGTTAAATG
                                                                                                                                                                                                                                                                                                                      177 AGGAGAAGCTAATGGTAATTAACCTTTCGCAGCAAATAATGCTGCTAGAGGTATATGTGT
                                                                                                                                                                                                                                                                                                                                                                          237 ACCATGCCAAATAAACAGAGTAGGCTCTGTTACCAATGCAGGTGACTTAGCTACTTTAGC
                                                                                                                                                                                                                                                                                                                                                                                                                                 800 IGCIGCIGGIGGICALGGAACIGCIGCIGCIGIIGGIGGIGGIGGIGGICAIGGAACIGC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              620 TGGTGGTGGTCATGGAACTGCTGTTGCTGGTGGTGGTCATGAAACTGCTGCTTCTGC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT: VENTER, J. Craig
TITLE OF INVENTION: HUMAN GENOME DISCOVERY SYSTEM AND USES THEREOF
FILE REFERENCE: CL001321
CURRENT APPLICATION VUMBER: US/10/144,771
CURRENT FILING DATE: 2002-05-15
TITLE OF INVENTION: HUMAN GENOME DISCOVERY SYSTEM AND USES THEREOF FILE REFERENCE: CL001321
CURRENT APPLICATION NUMBER: US/10/144,771
CURRENT FILING DATE: 2002-05-15
NUMBER OF SEQ ID NOS: 47235
SEQ ID NO 4034
                                                                                                                                                                                 ..
                                                                                                                                                       Length 1188;
                                                                                                                                                    Score 63; DB 6; Le
Pred. No. 1.1e-05;
0; Mismatches 385;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      US-10-144-771-4707/c
; Sequence 4707, Application US/10144771
; GENERAL INFORMATION:
                                                                                                                                                   Local Similarity 43.3%; les 294; Conservative 0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TTTTGCTGCTGGTGCTGCC 735
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | |||||||||||| | ||||||
TGCTGCTGCTGCAGGTGCC 422
                                                                                                                ORGANISM: HUMAN
                                                                                                                               US-10-144-771-4034
                                                                                        LENGTH: 1188
                                                                                                   TYPE: DNA
                                                                                                                                                         Query Match
                                                                                                                                                                        Best Loca
Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         357
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            264
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       560
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        717
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        QQ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       δy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            δŏ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Вp
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                         Ob
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             q
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          δ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Q
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                δ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   οy
                                                                                                                                                                                                                                       Q
                                                                                                                                                                                                                                                                   δy
                                                                                                                                                                                                                                                                                            임
                                                                                                                                                                                                                                                                                                                                             Op
                                                                                                                                                                                                                                                                                                                                                                             Qγ
                                                                                                                                                                                                                                                                                                                                                                                                     g
                                                                                                                                                                                                                                                                                                                                                                                                                              ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        οy
                                                                                                                                                                                                                                                                                                                       Qγ
```

```
APPLICANT: Penn, Sharron G.
APPLICANT: Rank, David R.
APPLICANT: Hanzel, David K.
APPLICANT: Chen, Wensheng
TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FO
TITLE OF INVENTION: ANALYSIS OF GENE EXPRESSION IN BT 474
                                                                                                                                                            ó
                                                                                                                                                                                                                                                                                                                                                               531
                                                                                                                                                                                                                                                                                                                                                                                                              591
                                                                                                                                                                                                                                                                                                                                                                                                                                                            471
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              651
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          411
                                                                                                                                                                                                                                          GGCACTGTACTTGATGATGGAGTGACACTTGTTTTAATACATCAGCCACATTATGTGTT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CCTGCCACTGCAGGTGCCTAAGCTAATTTAGCCACATAATGTAGCAATTAATGTCCTACT
                                                                                                                                                                                                                                                                                                                                                                                                                                                            AAATGCAGACCTAACTTTTACTATAATGGTGGTTCTCCTTAAGGTGAAGCTCCTGGCGTT
                                                                                                                                                                                                             412 GGTGGTTCTCCTTAAGGTGAAGCTCCTGGCGTTTAAGTTTTTGCTGCTGGTGCTGCCGCT
                                                                                                                                                                                                                                                                                                             GCAGGTGTTGCTGCCGTTACTAGTTAATGTGTACCTTGCCAACTAAACAAAAACGATTCT
                                                                                                                                                                 ö
                                                                                                             Length 1954;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              712 TAAGITITIGCIGCIGGIGCIGCCGCCGCAGGIGIIGCIGCCGTIACT 759
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           350 GCTGCTGCTGCTGCTGCTGCTGCTGCTGCTCCTGCTGGTGCT 303
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    SOFTWARE: Molecular Dynamics Sequence Listing Engine
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TITLE UF INVESTION ANALISES OF CENE EAFTESSION INTILE UF INVESTION ANALISES OF CENE EAFTESSION INTILE UREPERENCE: PB 0004 WO 8

CURRENT FILING DATE: 2002-08-02

PRIOR PPLICATION NUMBER: US 60/180, 312

PRIOR PILING DATE: 04 FEBRUARY 2000 (04.02.00)

PRIOR PILING DATE: 26 May 2000 (26.05.00)

PRIOR PILING DATE: 26 May 2000 (30.08.00)

PRIOR FILING DATE: 26 May 2000 (30.08.00)

PRIOR FILING DATE: 27 September 2000 (31.0.00)

PRIOR FILING DATE: 03 AQUEST 2000 (33.10.00)

PRIOR FILING DATE: 03 CCLOBER 2000 (27.09.00)

PRIOR PILING DATE: 27 September 2000 (27.09.00)

PRIOR PILING DATE: 27 September 2000 (27.09.00)

PRIOR FILING DATE: 21 September 2000 (21.09.00)

PRIOR FILING DATE: 21 September 2000 (30.06.00)

PRIOR FILING DATE: 30 JUNE 2000 (30.06.00)

NUMBER OF SEO ID NOS: 144.38
                                                                                                               Score 61.6; DB 6;
Pred. No. 2.7e-05;
                                                                                                                                                                 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 8573, Application US/10203138A GENERAL INFORMATION:
APPLICANT: Molecular Dynamics, Inc.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      OTHER INFORMATION: MAP TO AL035419.9
                                                                                                                  4.6%;
                                                                                                                                                                      Matches 169; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ORGANISM: Homo sapiens
                                                                                                                                               Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                RESULT 7
US-10-203-138A-8573/c
                       TYPE: DNA
ORGANISM: HUMAN
                                                                      US-10-144-771-4707
LENGTH: 1954
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TYPE: DNA
                                                                                                                       Query Match
                                                                                                                                               Best Local
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        LENGIH:
```

S

ö

```
APPLICANT: Hanzel, David K.
APPLICANT: Hanzel, David K.
APPLICANT: Chen, Wensheng
TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FO
TITLE OF INVENTION: ANALYSIS OF GENE EXPRESSION IN BT 474
FILE REFERENCE: PB 0004 WO 8
CURRENT APPLICATION NUMBER: US/10/203,138A
                                                                                                                                                                                                                                                                           56 GAGCTGTTCCATGTCCTGATGGTACTTAGACTCAAGCTGGATTGACTGATGTAGGTGCTG 115
                                                                                                                                                                                                                                                                                                                176 AAGGAGAAGCTAATGGTAATTAACCTTTCGCAGCAAATAATGCTGCTAGAGGTATATGTG 235
                                                                                                                                                                                                                                                                                                                                                                       CTGATCTTGGTACTTGTGTAATTGCAGACCTAATTTTTACTATAATGGTGGTGCTGCTT 175
                                                                                                                                                                                                                                                                                                                                                                                                       236 TACCATGCCAAATAAACAGAGTAGGCTCTGTTACCAATGCAGGTGACTTAGCTACTTTAG 295
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               GTAGTGGTGATGGTGGTGGTGGTGGTGGTGGTCGTTGTTTAGTGGTGATGGTG 526
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            296 CCACATAATGCAGTACTTAATGTCCTACTGGCACTGCACTTGATGATGGAGTGACAGATG 355
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           356 TTTTTGATAGATCAGCCGCATAATGTGTTAAATGCAAACCTAACTTTTACTATAATGGTG 415
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        416 GITCICCTIAAGGIGAAGCICCIGGCGITTAAGITITIGCIGCIGGIGCIGCGCGCIGCAG 475
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        476 GIGTTGCTGCCGTTACTAGTTAATGTGTACCTTGCCAACTAAACAAAAACGATTCTCCTG 535
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             946
                                                                                                                                                                                                                                        Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              536 CCACTGCAGGTGCCTAAGCTAATTTAGCCACATAATGTAGCAATTAATGTCCTACTGGCA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     596 CTGTACTTGATGATGGAGTGACACTTGTTTTAATACATCAGCCACATTATGTGTTAAAT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        656 GCAGACCTAACTTTTACTATAATGGTGGTTCTCCTTAAGGTGAAGCTCCTGGCGTTTAAG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TITITGCTGCTGGTGCTGCCGCTGCAGGTGTTGCTGCCGTTACTAGTTAATGTG 769
                                                              OTHER INFORMATION: EST_HUMAN HIT: AV739739.1, EVALUE 1.00e+00 FEATURE:
                                                                                                                                                                                           Length 1075;
                                                                                                                                                                                 Score 58; DB 6; Length 107
Pred. No. 0.00017;
0; Mismatches 410; Indels
                                                                                                           ; OTHER INFORMATION: NT HIT: ALL63201.2, EVALUE 2.00e-19
US-10-203-138A-7632
                   IN BT474,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 2529, Application US/10203138A GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT: Molecular Dynamics, Inc.
                 EXPRESSED
                                                                                                                                                                                   Query Match 4.4%;
Best Local Similarity 42.6%;
Matches 304; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT: Penn, Sharron G. APPLICANT: Rank, David R.
                 OTHER INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            US-10-203-138A-2529
                                                                                                                                                                                                                                                                                                                                                                         116
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 467
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     887
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  716
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               947
                                                                                                                                                                                                                                                                                                                       g
                                                                                                                                                                                                                                                                                                                                                                                                               q
                                                                                                                                                                                                                                                                                                                                                                         ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Qγ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Q
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            δ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 qq
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Dp
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Ω
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   δ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            à
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       q
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT: PATEUR DATE OF THE CASE OF THE 
                                                                                                                               5;
                                                                                                                                                                                                          408 GCTGATGGTGATGGTGATGCTGATGGTGATGGTGATGCTGATGCTGCTGATGAT 349
                                                                                                                                                                                                                                                         412 GGTGGTTCTCCTTAAGGTGAAGCTCC---TGGCGTTTAAGTTTTTGCTGCTGGTGCTGCC 468
                                                                                                                                                          352 GATGTTTTTGATAGATCAGCCGCATAATGTGTTAAATGCAAACCTAACTTTTACTATAAT 411
                                                                                                                                                                                                                                                                                          649 GITAAATGCAGACCTAACTITTACTATAATGGTGGTTCTCCTTAAGGTGAAGCTCCTGGC 708
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      GCTGCAGGTGTTGCTGCCGTTACTAGTTAATGTGTACCTTGCCAACTAAACAAAAAGGAT
                                                                                                                                                                                                                                                                                                                                                                                                                                               529 TCTCCTGCCACTGCAGGTGCCTAAGCTAATTTAGCCACATAATGTAGCAATTAATGTCCT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              589 ACTGGCACTGTACTTGATGATGGAGTGACACTTGTTTTAATACATCAGCCACATTATGT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            .
9
                                                                               Length 439;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score 59.6; DB 6; Length 4
Pred. No. 5.7e-05;
0; Mismatches 199; Indels
; OTHER INFORMATION: EXPRESSED IN BT474, SIGNAL = 1.5 US-10-203-138A-8573
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    SOFTWARE: Molecular Dynamics Sequence Listing Engine
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 7632, Application US/10203138A GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            FEATURE:
OTHER INFORMATION: MAP TO AL078472.1
FEATURE:
                                                                     4.5%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT: Molecular Dynamics,
APPLICANT: Penn, Sharron G.
APPLICANT: Rank, David R.
APPLICANT: Hanzel, David K.
                                                              Ouery Match
Best Local Similarity 50.0
Matches 205; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ORGANISM: HOMO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             SEQ ID NO 7632
LENGTH: 1075
                                                                                                                                                                                                                                                                                                                                                                                                     288
                                                                                                                                                                                                                                                                                                                                                        469
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             168
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         709
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    51
                                                                                                                                                             à
                                                                                                                                                                                                          a
                                                                                                                                                                                                                                                         ð
                                                                                                                                                                                                                                                                                            q
                                                                                                                                                                                                                                                                                                                                                     õ
                                                                                                                                                                                                                                                                                                                                                                                                q
                                                                                                                                                                                                                                                                                                                                                                                                                                               à
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          QQ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ð
```

```
SEQ ID NO 1981
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        FEATURE
                                                                                                                                                                                                                                                                                                                                                                                                                                                    LENGTH:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    195
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            255
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   435
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          qq
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             QY
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      q
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           δy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                qq
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    δ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    δy
                                     Ωý
                                                                        qq
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1057 GIGGIGGIGATGCIGGIGGIAGTGCIGCIAGTGCIGATGCIGGIAGTGGIGATGCIGGIG 1116
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          GCAGACCTAACTITTACTATAATGGTGGTTCTCTCTTAAGGTGAAGCTCCTGGCGTTTAAG 715
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      536 CCACTGCAGGTGCCTAAGCTAATTTAGCCACATAATGTAGCAATTAATGTCCTACTGGCA 595
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              GTAGTGGTGATGGTGATGGTGGTGGTGGTGGTCGTGGTTTTAGTGGTGATGGTG 876
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    356 ITITIGAIAGAICAGCCGCAIAAIGIGITIAAAIGCAAACCIAAACTITIACIAIAAIGGIG 415
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                416 GITCICCITAAGGIGAAGCICCIGGCGITIAAGITITIGCIGCIGGIGCIGCCGCIGCAG 475
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            236 TACCATGCCAAATAAACAGAGTAGGCTCTGTTACCAATGCAGGTGACTTAGCTACTTTAG 295
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     296 CCACATAATGCAGTACTTAATGTCCTACTGGCACTGCACTTGATGATGGAGTGACAGATG 355
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   56 GAGCTGTTCCATGTCCTGATGGTACTTAGACTCAAGCTGGATTGACTGATGTAGGTGCTG 115
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CTGATCTTGGTACTTGTGTTAATTGCAGACCTAATTTTTACTATAATGGTGGTGCTGCTT 175
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 697 GIGAIGGIGAIGGIAGIGGIAGIGGIAGIGGIACIGCIGGIGGIGGIGAIGGIGGIGGIG 756
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      AAGGAGAAGCTAATGGTAATTAACCTTTCGCAGCAAATAATGCTGCTAGAGGTATATGTG 235
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                476 GIGIIGCIGCCGIIACTAGIIAAIGIGIACCIIGCCAACIAAACAAAAACGAIICICCIG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             596 CTGTACTTGATGATGAGACTGACACTTGTTTTAATACATCAGCCACATTATGTGTTAAAT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    .;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Length 1403;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
4.4%; Score 58; DB 6; Length 140
Best Local Similarity 42.6%; Pred. No. 0.00018;
Matches 304; Conservative 0; Mismatches 410; Indels
CURRENT FILING DATE: 2002-08-02
PRIOR APPLICATION NUMBER: US 60/180,312
PRIOR FILING DATE: 04 February 2000 (04.02.00)
PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR PELLING DATE: 26 May 2000 (26.05.00)
PRIOR PELLING DATE: 20 May 2000 (26.05.00)
PRIOR APPLICATION NUMBER: US 09/632,366
PRIOR APPLICATION NUMBER: US 04/23.635
PRIOR APPLICATION NUMBER: US 60/236,359
PRIOR FILING DATE: 3 September 2000 (37.00)
PRIOR PELLOR TON NUMBER: US 60/236,359
PRIOR FILING DATE: 21 September 2000 (27.09.00)
PRIOR FILING DATE: 21 September 2000 (37.09.00)
PRIOR FILING DATE: 31 September 2000 (31.00)
PRIOR FILING DATE: 30 June 2000 (30.06.00)
NUMBER OF SEQ ID NOS: 15438
SOSTIMARE: MOLECIAL DYNAMICS Sequence Listing Engine 15000 (3.00)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ; OTHER INFORMATION: EXPRESSED IN BT474, SIGNAL = US-10-203-138A-2529
                                                                                                                                                                                                                                                                                                                                                                                                                     OTHER INFORMATION: MAP TO AL078472.1
                                                                                                                                                                                                                                                                                                                                                                                   ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                  DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               959
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     116
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       817
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         .
QQ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Óγ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Dp
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Qγ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ολ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  δ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    QQ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             δ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                පු
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     δ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             δ
```

```
TTATGATGATGGTGTGTGTG----GTGGCGGTGATGGTGGTGATGGTGATGGTGGTGA 400
375 ATAATGTGTTAAATGCAAACCTAACTTTTACTATAATGGTGGTTCTCCTTAAGGTGAAGC 434
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TCCTGGCGTTTAAGTTTTTGCTGCTGCTGCCGCTGCAGGTGTTGCTGCCGTTACTAG 494
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         AGTAGGCTCTGTTACCAATGCAGGTGACTTAGCTACTTTAGCCACATAATGCAGTACTTA 314
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                576 rgargergargergergergargergergergergergergergergergargerger
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            315 ATGTCCTACTGGCACTGCACTTGATGATGAGGAGAGATGTTTTGATAGATCAGCGGC 374
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       75 TGGTACTTAGACTCAAGGTGGATTGACTGATGTAGGTGCTGCTGATCTTGGTACTTGTGT 134
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   135 TAATTGCAGACCTAATTTTACTATAATGGTGGTGCTGCTTAAGGAGAAGCTAATGGTAA 194
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TTAACCTTTCGCAGCAAATAATGCTGCTAGAGGTATATGTGTACCATGCCAAATAAACAG 254
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             636 TGATTAAATAGCTGCTAATGATGGTGGTGGTGGTGGTGGTGATGGTGATAATGGTGA 577
                                           3;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length 1972;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score 57.4; DB 6;
Pred. No. 0.00028;
0; Mismatches 291;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ; NAME/KEY: modified_base
; LOCATION: (1319)..(1328)
; OTHER INFORMATION: a, t, c, g, unknown or other
US-10-017-161-1981
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     c, g, unknown or other
                                                                                                                                                                                                                                          APPLICANT: SUWA, MAKIKO
APPLICANT: ASAI, KIYOSHI
APPLICANT: AKIYAMA, YUTAKA
APPLICANT: ABURATANI, HIROYUKI
TITLE OF INVENTION: NOVEL G PROTEIN-COUPLED
FILE REFERENCE: 084335/0152
                                                                                                                                                                                                                                                                                                                                                                              CURRENT APPLICATION NUMBER: US/10/017,161 CURRENT FILING DATE: 2002-12-18 PRIOR APPLICATION NUMBER: JP 2001/246789 PRIOR FILING DATE: 2001-06-18 NUMBER OF SEQ ID NOS: 2430 SOFTWARE: Patentin Ver: 2.1
                                                                                                                                                                                                      Sequence 1981, Application US/10017161 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             45.58;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Matches 245; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 LOCATION: (975)..(994)
OTHER INFORMATION: a, t,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            NAME/KEY: modified_base
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                NAME/KEY: CDS
LOCATION: (201)..(1772)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  LOCATION: (1)..(1972)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  NAME/KEY: source
                                                                                                                                                                                        US-10-017-161-1981/c
```

; ;

```
2113 CATCCTGCTCCTGCTCATCCTGCTGCTCATCCTGCTGCTGCTCATCCTGCTGCTC 2054
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     .993 GCTCATCCTGCTGCTGCTGCTGCTGCTCCTCTGCTGCTGCTCATCCTGCTGCT 1934
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1933 GCTCATCCTGCTGCTGCTGCTGCTGCTCATCCTGCTGCTGCTCATCCTGCTGCTGCT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             58 GCTGTTCCATGTCCTGATGGTACTTAGACTCAAGCTGGATTGACTGATGTAGGTGCTGCT 117
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            118 GATCITGGTACTTGTGTTAATTGCAGACCTAATTTTTACTATAATGGTGGTGCTGCTTAA 177
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                178 GGAGAAGCTAATGGTAATTAACCTTTCGCAGCAAATAATGCTGCTAGAGGTATATGTGTA 237
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             298 ACATAATGCAGTACTTAATGTCCTACTGGCACTGCACTTGATGATGAGGAGTGACAGATGTT 357
                                                                                                                                                                                        688 CCTTAAGGTGAAGCTCCTGGCGTTTAAGTTTTTGCTGCTGGTGCTGCCGCTGCAGGTGTT
                                               568 TAATGTAGCAATTAATGTCCTACTGGCACTGTACTTGATGATGGAGTGACACTTGTTTT
                                                                               628 AATACATCAGCCACATTATGTGTTAAATGCAGACCTAACTTTTACTATAATGGTGGTTCT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      238 CCATGCCAAATAAACAGAGTAGGCTCTGTTACCAATGCAGGTGACTTAGCTACTTTAGCC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 358 ITTGATAGATCAGCCGCATAATGTGTTAAATGCAAACCTAACTTTTACTATAATGGTGGT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TCTCCTTAAGGTGAAGCTCCTGGCGTTTAAGTTTTTGCTGCTGGTGCTGCCGCTGCAGGT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Length 3489
                                                                                                                                                                                                                                                                                                                                                  RESULT 12
US-10-194-046-1/C
US-10-194-046-1/C
Sequence 1, Application US/10194046
GENERAL INFORMATION:
APPLICANT: ROBERTSON, Erle S.
TITLE OF INVENTION: LAMA VIRAL PROCEEN Binding Sites
FILE REPRENCE: UM-07142
CURRENT APPLICATION NUMBER: US/10/194,046
CURRENT FILING DATE: 2002-07-11
PRIOR PETING DATE: 1999-10-01
NUMBER: OF SEQ ID NOS: 22
SOFTWARE: PATENTIN VETSION 3.1
SEQ ID NO 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   4.1%; Score 54.2; DB 6;
45.3%; Pred. No. 0.0019;
tive 0; Mismatches 238;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ; TYPE: DNA
; ORGANISM: Raposi's sarcoma-associated herpesvirus
US-10-194-046-1
                                                                                                                                                                                                                                                                                      1037 GGTGGTGGTAGTGATGGTG 1058
                                                                                                                                                                                                                                                                 748 GCTGCCGTTACTAGTGTG 769
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Best Local Similarity 45.3 Matches 197; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1753 GTGGCTCCCGCTGCT 1739
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            3489
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
                                                                             Op
                                               à
                                                                                                                δ
                                                                                                                                                  q
                                                                                                                                                                                          ò
                                                                                                                                                                                                                      qq
                                                                                                                                                                                                                                                               õ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           qq
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                δý
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Q
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      οy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         οy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         δ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ó
TGGTGGTGGTGGTGGTGATGATGGTGGTGGTGGCTGTGATTATGATGATGATGG 340
                                   TTAATGTGTACCTTGCCAACTAAACAAAAACGATTCTCCTGCCACTGCAGGTGCCTAAGC 554
                                                                     88 CAAGCIGGATIGACIGAIGIAGGIGCIGCIGAICTIGGIACTIGIGAAIIGCAGACCI 147
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            377 CAGGGAGGTGGCAGTGATGGTGATGGTGATGGAGGTGATGGTGGTGGTGTT 436
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TAATTTAGCCACATAATGTAGCAATTAATGTCCTACTGGCACTGTACTTGATGATGGAG 613
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                148 AATTTTTACTATAATGGTGGTGCTGCTTAAGGAGAAGCTAATGGTAATTAACCTTTCGCA 207
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    208 GCAAATAATGCTGCTAGAGGTATATGTGTACCATGCCAAATAAACAGAGTAGGCTCTGTT 267
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  497 AGTGATGGTGTTGGTGATGGAGGTAATGGTGGTGGTCATGTTGGTGGAAGTGCTGGTGGT 556
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         388 ICCAAACCTAACTITIACTATAATGGTGGTTCTCCTTAAGGTGAAGCTCCTGGCGTTTAA 447
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           268 ACCAATGCAGGTGACTTAGCTACTTTAGCCACATAATGCAGTACTTAATGTCCTACTGGC 327
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ACTGCACTTGATGATGAGTGAGTGTTTTTGATAGATCAGCCGCATAATGTGTTAAA 387
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     737 GGTGGTGGTGATGATGGTGGTGGTGATAATGGTGACGAGGTGATGGTGGTGGTGGT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    508 IGCCAACTAAACAAAAGGATTCTCCTGCCACTGCAGGTGCCTAAGCTAATTTAGCCACA 567
                                                                                                                               448 GTTTTTGCTGCTGGTGCTGCCGCTGCTGTTGCTGCCGTTACTAGTTAATGTGTACCT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            DB 6; Length 1231;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score 54.8; DB 6; Length 1;
Pred. No. 0.001;
0; Mismatches 392; Indels
                                                                                                                                                                                                                                                              APPLICANT: SURVA, MAKIKO
APPLICANT: SAI, KIYOSHI
APPLICANT: AKIYAMA, YUTKRA
APPLICANT: AKIYAMA, YUTKRA
APPLICANT: AKIYAMA, YUTKRA
APPLICANT: AKIYAMA, YUTKRA
APPLICANT: ARBURATANI, HIROYUKI
TITLE OF INVENTION: NOVEL G PROTEIN-COUPLED RECEPTORS
FILE REFERENCE: 084335/0152
CURRENT APPLICATION NUMBER: US/10/017,161
CURRENT FILING DATE: 2001-06-18
PRIOR FILING DATE: 2001-06-18
NUMBER OF SEQ ID NOS: 2430
SOFTWARE: PALENTI VET. 2.1
SOFTWARE: PALENTI VET. 2.1
                                                                                                                                                                                                                                 Sequence 2047, Application US/10017161 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   4.18
Best Local Similarity 42.58
Matches 290; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NAME/KEY: CDS
; LOCATION: (201)..(1031)
US-10-017-161-2047
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 LOCATION: (1)..(1231)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            NAME/KEY: source
                                                                                                                                                                                                                US-10-017-161-2047
 399
                                     495
                                                                       339
                                                                                                         555
                                                                   g
                                   ò
                                                                                                       õ
                                                                                                                                       a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  õ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          8
```

ö

```
qq
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      qq
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Qγ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Dp
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   QY
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ŏ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 432 AGCTCCTGGCGTTTAAGTTTTTGCTGCTGCTGCTGCCGCTGCAGGTGTTGCTGCCGTTAC 491
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            312 ITAATGICCTACTGGCACTGCACTTGATGATGAGTGACAGATGTTTTTGATAGATCAGC 371
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                72 TGATGGTACTTAGACTCAAGCTGGATTGACTGATGTAGGTGCTGCTGATCTTGGTACTTG 131
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  132 TGTTAATTGCAGACCTAATTTTTACTATAATGGTGGTGCTGCTTAAGGAGAAGCTAATGG 191
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TAATTAACCTTTCGCAGCAAATAATGCTGCTAGAGGTATAIGTGTACCATGCCAAATAAA 251
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          252 CAGAGTAGGCTCTGTTACCAATGCAGGTGACTTAGCTACTTTAGCCACATAATGCAGTAC 311
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         372 CGCATAATGTGTTAAATGCAAACCTAACTTTTACTATAATGGTGGTTCTCCTTAAGGTGA 431
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              492 TAGTTAATGTGTACCTTGCCAACTAAACAAAACGATTCTCCTGCCACTGCAGGTG 547
                                                                                                                                                                                                                                                                                                                                                                                                                                                            4.0%; Score 53.6; DB 6; Length 1168; 44.5%; Pred. No. 0.002;
                                                                                                        RECEPTORS
                                             APLICANT: ASAI, KIYOSHI
APPLICANT: AKIYAMA, YUTAKA
APPLICANT: AKIYAMA, YUTAKA
TILE OF INVENTION: NOVEL G PROTEIN-COUPLED REC
FILE REFERENCE: 084335/0152
CURRENT APPLICATION NUMBER: US/10/017,161
CURRENT FILING DATE: 2002-12-18
PRIOR APPLICATION NUMBER: JP 2001/246789
PRIOR APPLICATION NUMBER: JP 2001/246789
PRIOR PILING DATE: 2001-06-18
NUMBER OF SEQ ID NOS: 2430
SOFTWARE: PALENTIN VET. 2.1
SOFTWARE: PALENTIN VET. 2.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 0; Mismatches
Sequence 2179, Application US/10017161
GENERAL INFORMATION:
APPLICANT: SUWA, MAKIKO
APPLICANT: ASAI, KIYOSHI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 US-09-962-191A-6/c
| Sequence 6, Application US/09962191A
| GENERAL INFORMATION:
| APPLICANT: Tang, Y. Tom
| APPLICANT: Liu, Chenghua
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Conservative
                                                                                                                                                                                                                                                                                         TYPE: DNA
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                          ; LOCATION: (201)..(968)
US-10-017-161-2179
                                                                                                                                                                                                                                                                                                                                                   LOCATION: (1)..(1168)
FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Best Local Similarity
Matches 212; Conserv
                                                                                                                                                                                                                                                                                                                                          NAME/KEY: source
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    RESULT 14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           qq
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ō
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Ω
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         q
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Qγ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Ω
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  δy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ΩD
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Qγ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     qq
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ò
```

```
688 CCTTAAGGTGAAGCTCCTGGCGTTTAAGTTTTGCTGGTGGTGCTGCCGCTGCAGGTGTT 747
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             448 GITITIGCIGCIGCIGCIGCIGCIGCIGCIGCIGCIGCIGCCGTIACTACTAGTTAATGTGTACCT 507
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       508 TGCCAACTAAACAAAAAGGATTCTCCTGCCACTGCAGGTGCCTAAGCTAATTTAGCCACA 567
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   568 TAATGTAGCAATTAATGTCCTACTGGCACTGTACTTGATGATGGAGTGACACTTGTTTT 627
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     980 TICGCIGCAGCIGCIGITGCIGCIGCIGIACCIGITGCIGATITIGAIGAAGAITIAA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   628 AATACATCAGCCACATTATGTGTTAAATGCAGACCTAACTTTTACTATAATGGTGGTTCT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 860 GGAACTGCTGCTGCATGCTCTGCTGAGCCTGGAACTGCTGCTGTTGCTGCTGCTGCT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
3.9%; Score 52.2; DB 5; Length 3434;
Best Local Similarity 47.4%; Pred. No. 0.0057;
Matches 156; Conservative 0; Mismatches 173; Indels 0
                                                            APPLICANT: Xue, Aidong J.
APPLICANT: Zhang, Jie
APPLICANT: Reng, Jie
APPLICANT: Reng, Jie
APPLICANT: Reng, Jie
APPLICANT: Pelyan
APPLICANT: Drmanac, Radoje T.
TITLE OF INVENTION: NOVEL NUCleic Acids and
TITLE OF INVENTION: Polypeptides
FILE REFERENCE: 784CIP2D
CURRENT APPLICATION NUMBER: US/09/962,191A
CURRENT APPLICATION NUMBER: 09/552,317
PRIOR APPLICATION NUMBER: 09/552,317
PRIOR FILING DATE: 2000-09-14
PRIOR FILING DATE: 2000-01-21
NUMBER OF SEQ ID NOS: 95
SOFTWARE: PL-FL_Genes Version 2.0
SEQ ID NO 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICANT: Wehrman, Tom
APPLICANT: Drmanac, Radole T.
TITLE OF INVENTION: Novel Nucleic Acids and
TITLE OF INVENTION: Polypeptides
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          740 GCAGCGCCACCTGCTGGAGCTGCAGCTGG 712
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    GCTGCCGTTACTAGTTAATGTGTACCTTG 776
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 6, Application US/09962191 GENERAL INFORMATION:
                      Asundi, Vinod
Zhao, Qing A.
Xue, Aidong J.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT: Tang, Y. Tom
APPLICANT: Liu, Chenghua
APPLICANT: Zhou, Ping
APPLICANT: Asundi, Vinod
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT: Zhao, Qing A. APPLICANT: Xue, Aidong J. APPLICANT: Zhang, Jie
Zhou, Ping
Asundi, Vinod
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ; NAME/KEY: CDS
; LOCATION: (260)..(2506)
US-09-962-191A-6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Zhang, Jie
Ren, Feiyan
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TYPE: DNA ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       US-09-962-191-6/c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      748
```

; 0

```
.;
0
                                                                                                                                                                                                                                                                                                                                                                                                                        508 TGCCAACTAAACAAAACGATTCTCCTGCCACTGCAGGTGCCTAAGCTAATTTAGCCACA 567
                                                                                                                                                                                                                                                                                                                                                                                   628 AATACATCAGCCACATTATGTGTTAAATGCAGACCTAACTTTTACTATAATGGTGGTTCT 687
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     860 GGAACTGCTGCTGGCACTCTGGCTGAGCCTGGAACTGCTGTTGCTGCTGCTGCTGCT 801
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      688 CCTTAAGGTGAAGCTCCTGGCGTTTAAGTTTTTGCTGCTGGTGCTGCCGCTGCAGGTGTT 747
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Gaps
                                                                                                                                                                                                                                                                                        ;
0
                                                                                                                                                                                                                                                    Query Match 3.9%; Score 52.2; DB 5; Length 3434; Best Local Similarity 47.4%; Pred. No. 0.0057; Matches 156; Conservative 0; Mismatches 173; Indels 0
FILE REFERENCE: 784CIP2D
CURRENT APPLICATION NUMBER: US/09/962,191
CURRENT FILING DATE: 2000-09-14
FRIOR APPLICATION NUMBER: 09/552,317
PRIOR FILING DATE: 2000-04-25
PRIOR FILING DATE: 2000-01-21
NUMBER OF SEQ ID NOS: 95
SOFTWARE: PL_Genes Version 2.0
LENGTH: 3434
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                740 GCAGCGACTGCTGGAGCTGCAGCTGG 712
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            748 GCTGCCGTTACTAGTTAATGTGTACCTTG 776
                                                                                                                                                                                  FEATURE:

NAME/KEY: CDS

; LOCATION: (260)..(2506)

US-09-962-191-6
                                                                                                                                                           TYPE: DNA
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                    음
                                                                                                                                                                                                                                                                                                                                                                                      a
                                                                                                                                                                                                                                                                                                           ð
                                                                                                                                                                                                                                                                                                                                                                   ð
                                                                                                                                                                                                                                                                                                                                                                                                                        ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                 g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ď
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ô
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ò
```

Search completed: February 17, 2003, 01:52:06 Job time : 205.482 secs

	ř.		
•			